

What Is Claimed Is:

1. An image processing apparatus, comprising:
a storage device which stores input image data
in a first area;
a refuging device which stores, in a second
area of the storage device, sample image data
produced from the input image data that has been
stored in the first area;
a pseudo display device which outputs, to a
display, pseudo image data obtained by performing
a number of different processes for filtering the
sample image data stored in the second area;
a parameter registration device which stores,
in a third area of the storage device, parameters
that are to be referred to for each kind of process
that is performed for filtering the sample image
data in the second area; and
a filtering device which, while referring to
the parameters in the third area, performs, in a
predetermined order, a number of different
processes for filtering the input image data in the
first area to obtain image data for output.

2. An image processing apparatus according to
claim 1, wherein the filtering device sequentially
performs, in accordance with an order established
to minimize color information and spatial

5 information reductions, a number of different
6 processes for filtering the input image data.

1 3. An image processing apparatus according to
2 claim 1, wherein, for the input image data stored
3 in the first area, the filtering device performs,
4 in the named order, a tone curve correction process
5 for an RGB model, a saturation correction process
6 for an HSB model, and a spatial filtering
7 correction process.

1 4. An image processing apparatus according to
2 claim 3, wherein the pseudo display device performs
3 the number of different processes, in the same
4 order as having been employed for the processes
5 performed in the first area for the input image
6 data, to filter the sample image data in the second
7 area.

1 5. An image processing apparatus according to
2 claim 4, wherein the refuting device generates the
3 sample image data by reducing a size of the input
4 image data stored in the first area, and stores the
5 sample image data in the second area of the storage
6 device.

1 6. An image processing method, comprising the
2 steps of:

3 storing, in a second area of a storage device,
4 sample image data produced from input image data
5 that has been stored in a first area of the storage
6 device;

7 outputting, to a display, pseudo image data
8 obtained by performing a number of different
9 processes for filtering the sample image data
10 stored in the second area;

11 storing, in a third area of the storage
12 device, parameters that are to be referred to for
13 each kind of process that is performed for
14 filtering the sample image data in the second area;
15 and

16 performing, while referring to the parameters
17 in the third area, in a predetermined order, a
18 number of different processes for filtering the
19 input image data in the first area to obtain image
20 data for output.

1 7. An image processing method according to claim
2 6, wherein the order in which the processes, for
3 filtering the input image data in the first area,
4 are sequentially performed to minimize the
5 reduction in color information and in spacial
6 information, and thereby improves the quality of
7 the image that is output.

8. An image processing method according to claim 6, wherein corrective filtering for the input image data in the first area is performed in order in consonance with the sequential arrangement of tone curve correction for an RGB model, saturation correction for an HSB model in the input image data, and spatial information correction.

9. An image processing method according to claim 8, wherein the number of different processes are performed for filtering the sample image data in the second area in the same order as that used for the processes performed for filtering the input image data in the first area.

10. An image processing method according to claim 9, wherein the sample image data is generated by reducing a size of the input image data in the first area and storing the resultant data in the second area of the storage device.

11. A computer readable medium having recorded thereon a processing program for permitting performance of a computer, the processing program comprising:

a storage processing routine for storing, in a second area of a storage device, sample image

7 data produced from input image data that has been
8 stored in a first area of the storage device;

9 a pseudo display processing routine for
10 outputting, to a display, pseudo image data
11 obtained by performing a number of different
12 processes for filtering the sample image data
13 stored in the second area;

14 a parameter registration processing routine
15 for storing, in a third area of the storage device,
16 parameters that are to be referred to for each kind
17 of process that is performed for filtering the
18 sample image data in the second area; and

19 a filtering processing routine for, while
20 referring to the parameters in the third area,
21 performing, in a predetermined order, a number of
22 different processes for filtering the input image
23 data in the first area to obtain image data for
24 output.

1 12. A computer readable medium according to claim
2 11, wherein the order in which a variety of
3 processes, for filtering the input image data in
4 the first area, are sequentially performed to
5 minimize the reduction in color information and in
6 spacial information, and thereby improves the
7 quality of the image that is output.

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1 13. A computer readable medium according to claim
2 11, wherein corrective filtering for the input
3 image data in the first area is performed in order
4 in consonance with the sequential arrangement of
5 tone curve correction for an RGB model, saturation
6 correction for an HSB model in the input image
7 data, and spatial information correction.

1 14. A computer readable medium according to claim
2 13, wherein the number of different processes are
3 performed for filtering the sample image data in
4 the second area in the same order as that used for
5 the processes performed for filtering the input
6 image data in the first area.

1 15. A computer readable medium according to claim
2 14, wherein the sample image data is generated by
3 reducing a size of the input image data in the
4 first area and storing the resultant data in the
5 second area of the storage device.

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